

LIEBHERR L550 1756-59860 - Front Differential

Sample No: LH0267591

Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLE INFORMATION

Sample Number	LH0267591	LH0257962	LH0198681	LH0198668		
Sample Date	06 Dec 2023	13 Jul 2023	06 May 2022	25 Feb 2022		
Machine Hours	9838	8893	5212	4088		
Oil Hours	1000	1000	0	0		
Oil Changed	Changed	Changed	Changed	Changed		
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL		
Visc @ 40°C cSt	0 81.7	0 137	0 134	0 141		
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CONTAMINATION						
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0 5	0 2	03	03	
Sodium	ppm	◯ <1	0 1	2	02	
Potassium	ppm	01	0 0	03	0 10	

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WEA	R METALS				
Iron	ppm	60	37	63	○ 73
Copper	ppm	0 10	0 13	0 17	0 14
Lead	ppm	○ <1	0	0	0
Tin	ppm	○ <1	○ <1	01	○ <1
Aluminum	ppm	○ <1	2	0 1	○ <1
Chromium	ppm	○ <1	0	○ <1	○ <1
Molybdenum	ppm	5	2	2	2
Nickel	ppm	0	0	0 0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	3	01	3	5
Vanadium	ppm	0	0	0	0

Calcium	ppm	0 735	0 17	259	37
Magnesium	ppm	0 352	0	2	3
Zinc	ppm	0 482	○ <1	96	8
Phosphorus	ppm	0 754	597	0 1925	0 1971
Barium	ppm	0	0	0	0
Boron	ppm	58	25	347	◯ 311





HOMEWOOD DISPOSAL 1501 175TH ST

HOMEWOOD, IL US 60430 Contact: Service Manager

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Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot:HOMHOMLHUnique No:10831881Signed:Don BaldridgeReport Date:16 Jan 2024

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Submitted By: ?







GRAPHS

